



## NeIEPE-4-DIN

### 4 Channel IEPE Power Units for DIN Rail Mounting

The NeIEPE-4-DIN module is a 4-channel module for supplying IEPE sensors.

It provides the necessary supply energy for the electronics integrated in the sensor and decouples the measurement signal from the sensor output signal.

The NeIEPE-4-DIN is built into a housing for DIN rail mounting. The connection is made via screwless terminals.

#### COMMON TECHNICAL DATA:

working temperature	$\pm 0 - +50$ °C
storage temperature	$-20 - +70$ °C
weight	approx. 200 g
size	l x w x h: 100 x 22 x 115 mm
connection	spring clips max 1.5 qm
fitting	cap rail TS35
number of channels	4
CE-conformity	see acc. paragraph

#### NeIEPE-4-DIN-1.00-UDIR-24V-24V-UG0.4-OG100K

direct power supply, without DC/DC-converter, without potential separation

power supply	
voltage supply	$U_{VCC} = 24 - 36$ Vdc
consumption	$I_{VCC} = \text{typ. } 20$ mAdc @ circuit with 4 sensors
potential separation	None instead of direct power supply
ICP@-supply	
output voltage	$U_{ICP} = U_{VCC} = \text{power supply}$
constant current	$I_{\text{const}} = 4.5$ mA ( $\pm 0.5$ mA) *
lower cutoff frequency	$F_{UG} = 0.5$ Hz (unipolar highpass, -3dB) **
upper cutoff frequency	100 KHz (unipolar RC-lowpass, -3dB)
amplification factor	1

#### NeIEPE-4-DIN-1.00-DC/DC-12V-30V-UG0.4-OG100K

power supply with DC/DC-converter

power supply	
voltage supply	$U_{VCC} 12$ Vdc = 10.8V – 13.2 V $U_{VCC} 24$ Vdc = 21.6V – 26,4 V
consumption	$I_{VCC} = \text{type } 20$ mAdc @ circuit with 4 sensors
potential separation	3 KV
ICP@-supply	
output voltage	$U_{VCC} = 30$ V ( $\pm 1\%$ )
constant current	$I_{\text{const}} = 4.5$ mA ( $\pm 0.5$ mA) *
lower cutoff frequency	$F_{UG} = 0.5$ Hz (unipolar highpass, 3dB) **
upper cutoff frequency	100 KHz (unipolar RC-lowpass, -3dB)
amplification factor	1

\* parametrizable via exchange of the constant current diode – please ask us for change  
\*\* parametrizable via RC-combination – please ask us for change